

CUT THE HIGH COST OF LIVING

In Saving Doctors' Bills, Laundry and Washer-woman's Charges By Buying An

A. B. C.

Super-Electric

WASHING MACHINE



Washes the clothes snow white in a short time, with no effort on your part. We will be glad to send an A. B. C. to your home, install it, and demonstrate its use. Free.

Sold on Liberal Terms.

Webster Electric Co.

Distributors.

719 9th St. N. W.

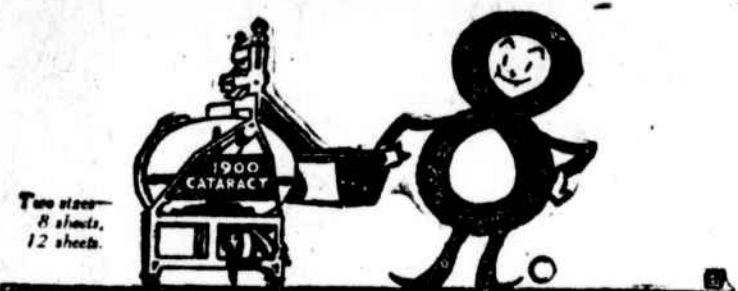
Main 5150.

LET US Wire Your Home and equip it with modern Lighting Fixtures and Edison Mazda Lamps. We have pleased hundreds of customers and We Can Please You Estimates and Advice Free

THE ELECTRO-SERVICE SHOP

J. E. TAYLOR & COMPANY, Inc.

1324 Eye Street Phone Main 7103
Lighting Fixtures, Edison Lamps, Vacuum Cleaners and Everything Electrical.



We'll do the wash

LET the 1900 Cataract Electric Washer and the magic figure 8 do the wash for you! The figure 8 movement—an exclusive feature—forces the water through your clothes in a figure 8 motion four times as often as in the ordinary washer.

No parts to take out and clean—easy and economical to operate—costs less than 2c an hour. The swinging reversible wringer also works electrically and is movable!

We will send a 1900 to your home for you to try. Afterward start paying for it on terms to suit your convenience. If you are not satisfied, return it.

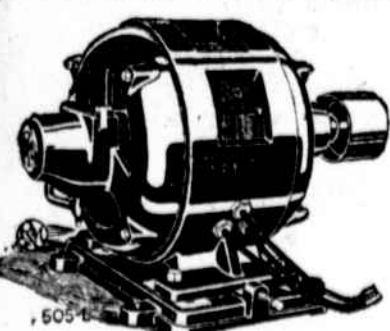
Phone, Call or Write

Salmon 1900 Sales Co.

1206 G St. N. W. Phone Main 7127
We Specialize in Home and Laundry Equipment.

ELECTRIC MOTORS

500 In Stock For Immediate Delivery



Our modern construction department is at your service.

We specialize in power plant installation.

Experts only are in charge of our motor installation work.

Prompt and efficient service guaranteed.

Coil Making, Winding, Commutators Refilled
Finest Equipped Repair Shop in Washington
Workmanship and Service Unexcelled

CENTRAL ARMATURE WORKS
635 D STREET, N.W. MAIN 3660-3661
Electrical Supplies—Repair Work—Household Appliances

Latest Happenings in World of Electricity

ELECTRIC HEADLAMP IS HERE TO STAY

Special Dimmer Makes It Practical for General Railroad Use.

If you have traveled very much on railroads in the past two or three years, undoubtedly you have noticed that many of the country's leading rail lines are rapidly relegating to the scrap pile the one-time indispensable oil-burning illuminative headlight, and in its place there has come to stay a new electric headlight with its 1,000,000 beam candlepower.

The electric headlight at first was somewhat troublesome, especially in railroad yards, for, like many other new appliances, it was "too good." That is, it was too powerful, and it blinded the engineers and yardmen. This has been overcome, by the use of a special dimmer, and whenever the locomotive is passing through the railroad yards or passing another train, the dimmer is used and the candlepower of the electric headlight is reduced to approximately that of the oil-burning headlight.

To provide for the extra lights about the engine, including the electric light for the fireman, as well as the marker and classification lights on the front of the engine, the steam-driven dynamo mounted on the engine is rated at 500 watts. The engineer also enjoys the electric light nowadays, and by means of the switches and dimmer he can control the lights instantly at will.

The electric generating equipment is very compact and takes up slight space on the locomotive. The dynamo is thoroughly enclosed to guard against the elements, but so designed that the electrician can swing open the cover, and the brushes and commutator are made instantly accessible for inspection.

The dynamo and small steam turbine are driven and mounted on the same shaft, the turbine taking steam from the locomotive boiler through an automatic regulator valve, which compensates every variation in boiler pressure between 125 and 250 pounds, superheated steam, so as to keep the dynamo revolving at nearly constant speed. The dynamos are supplied in different voltages, from 32 to 110, for the requirements of different railroads. These outfits are very efficient, only sufficient steam to perform the actual work required being admitted to the turbine nozzle.

The special rugged tungsten filament in the headlight bulb is enclosed in a nitrogen gas envelope, so as to give the highest efficiency possible. With regard to illumination in general, the 250 watt lamp, properly focused in the standard reflector supplied with the headlamp, under normal conditions illuminates the track sufficiently for all headlighting purposes for a distance of from 1,000 to 1,500 feet.

For switching illuminative service about yards, et cetera, a 60 or 100-watt lamp in either a 14 or 18-in. reflector gives ample headlighting service. Over 70,000 of these locomotive electric headlights have been put into successful service up to the present time.

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ing the bearings with oil from saturated cushions. One of these machines was started on a continuous running test November 16, 1918, and ran continuously for eighteen months. At the end of this time it was operating quietly and perfectly in every way.

ELECTRIC INCUBATOR IS PUT ON MARKET

An electric incubator especially designed for city and suburban poultry raisers recently was put on the market.

The incubator has a capacity of seventy-five eggs. It is heated by two electric light globes placed in the top compartment. Between these globes and the lower egg chamber is a steel plate, which retains and distributes the heat so that there is an even temperature in all parts of the incubator. A thermostat regulates the heat and keeps it at 103 degrees all the time, when the regulator is adjusted with thumb screw and balance weight on the regulator rod.

ELECTRIC STOVE GAINS IN FAVOR EACH YEAR

The electric stove is no novelty in the kitchen of the West, while in the East it is gaining ground year by year, especially small stoves or cookers that permit oven baking and the use of at least two hot plates on top. Such a stove benefits the housewife in the following manner: First, there is no waste heat; therefore she works in a cool kitchen. Second, absolute cleanliness is possible at all times. Third, labor is reduced to a minimum because an electric stove is always ready. Fourth, with no flame there is safety. Fifth, the character of the stove permits more time for social duties.

Summing up, therefore, it is evident that an electric stove is safer, superior and socially more acceptable, a big time and labor saver, compared with old-time stoves. Without dirt, ashes, gases or smell, it makes an ideal addition to a clean and well-kept household. As no oxygen is consumed by it, the air of the home is purer. As it is small, no kitchen is crowded by its use. As it is scientific in construction and operation, it means that the housewife can predetermine results with certainty in roasting, baking or stewing. "You can cook by the clock," is a phrase quite justifiable now.

FARMS OPEN FOR ELECTRIC GOODS

Offer Wide Field to Salesmen Handling Washing Machines and Heaters.

Something of the farm field for appliances can be seen by a glance at the figures on appliance sales made public by one farm lighting plant manufacturer who sells electrical goods, a part of which he manufactures and a part of which he handles on a jobbing basis. Here is a record of a part of this firm's 1918 and 1919 business:

Accessory Orders Received.	1918.	1919.
Fans	7,200	10,157
Fixtures	71,208	121,168
Motors	3,393	4,096
Heating devices	18,000	32,722
Vacuum cleaners	2,050	3,790
Washing machines	700	3,542
Total number of accessory orders	20,333	
Plant orders in same period	27,480	37,971

Analysis of these figures shows some mighty interesting things about what farmers buy. For instance, there were in 1919 only two-thirds as many accessory orders as plant orders. About every third farmer who bought a plant bought a fan. An average of only three fixtures was sold with each plant. Only one in every nine plant buyers buys a motor, while nearly every plant buyer buys a heating device of some kind. About one in every nine buys a vacuum cleaner or a washing machine, but washing machine sales seem to be gaining more rapidly than the sales of cleaners.

On the whole, from these figures, it would appear that the farm plant dealers are not very good salesmen of electrical devices. But this is not an entirely accurate analysis of the real facts, for it is quite certain that the dealers who sold those 37,971 plants also sold appliances which they purchased from sources other than the

HOUSE WIRING That Will Please. FIXTURES

For the Most Particular. Estimates Cheerfully Given. All Electrical Household Appliances. **UNIVERSALELECTRIC CO.** Electrical Contractors, Linc. 1350. 540 13th St. N. E.

NEW ELECTRIC NOVELTY IS STOVE THAT FOLDS

Electric table stoves of all kinds have become common, and folding stoves using varied fuels are no longer a novelty, but a folding electric stove is quite an achievement.

Such a device is now manufactured, however, and though when folded for carrying it is only six inches square and two and one-half inches high, in use it is prepared to toast, grill, boil, or fry. A space underneath the heating element takes the grilling pan, or may be used to keep toast warm.

The heating element is reversible to throw its heat downward for this use, and is removable so that if damaged it may be replaced very easily. By sliding it upon the frame of the stove, the circuit is opened and closed, making a switch unnecessary.

NOW! That you own your own home, enjoy the cleanliness of electricity. Special prices for wiring finished houses.

Carroll P. Carpenter, 1247 Kerney St. N. E. Remember the Name **Carpenter — Electrician** Phone N. 8549 for an Estimate.

RESIDENCE WIRING DONE BY Expert Workmen

NO DIRT—NO MARKS NO ANNOYANCE **D. GORDON WASHBURN** Electrical Contractor, Main 5944. 801 12th St. N. W.

Now Is The Time To Wire Your Home

Small Monthly Payments Can Be Arranged for Reliable Parties. Complete Line of Electric Fixtures.

F. L. CLARKE 1242 Wisconsin Ave. N.W. West 2419

For the Convenience of the Public

We Will Redeem Car Tickets

—of the Washington —Railway and Electric —Company. Also

We Will Sell The New Tokens Used on Car

Pay Your Electric Bill Here **607 14th St. N. W.**

Good Electric Fixtures

We sell good lighting—the kind that makes the home cheerful, comfortable, practical.

The proper light for each purpose comes from knowing Fixtures.

Thos. J. Williams Electrical Contractor 713 6th St. N. W. Frank. 6828.

ZARIN BROS.

"The Store That Saves You Money" A Complete Line of Electrical Fixtures and Household Appliances

Let us demonstrate the Ohio Tucc Vacuum Cleaner in your home. We are dealers for the "G.-E." Electric Fans.

Ask for estimates on wiring, electrical repair work and fixtures of all kinds.

ZARIN BROS., 717 12th St. N. W. M. 4965

NEW PHONOGRAPH RUNS FOR 18 MONTHS ON TEST

A new type of electric-driven phonograph has been designed by Dexter W. Allis, of Whitman, Mass. This invention was the outcome of numerous experiments in an attempt to construct a machine simple, noiseless, and durable. Gears are eliminated, the drive being transmitted from the electric motor by endless belt to the governor and friction rolls. Provision is made for adjusting the belt, for keeping the friction wheels automatically in contact, and for supply-



WHY be a slave to the washtub? Why spend endless hours, rubbing—rubbing—rubbing—till your back aches? Such toil not only wears out your strength—it wears out your clothes. It isn't a job for a woman, it's work for a machine.

Cut loose from the bonds of drudgery! Wash the new way—the easy way—with a Thor Electric Washing Machine. It will do all your washing and wringing. A big washing is finished in an hour at a cost of only 2 cents for electricity.

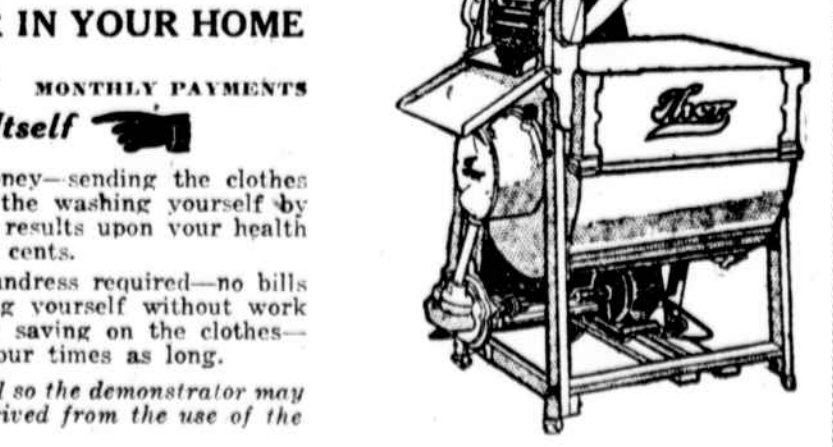
\$15 PUTS A THOR IN YOUR HOME BALANCE IN SMALL MONTHLY PAYMENTS **Pays For Itself**

Hiring a laundress costs money—sending the clothes out costs money—or if you do the washing yourself by hand, the cost of the damaging results upon your health cannot be figured in dollars or cents.

A Thor saves all this—no laundress required—no bills to pay—you can do the washing yourself without work or worry. Besides, there is the saving on the clothes—clothes washed in a Thor last four times as long.

You are cordially invited to call so the demonstrator may explain to you the benefits derived from the use of the Thor Washer.

..... WHY? WHEN FOR TWO CENTS A Thor WILL DO ALL THE WORK



NATIONAL ELECTRICAL SUPPLY COMPANY 1328-30 NEW YORK AVE. MAIN 6800

Everything for the Motorist The Store for Things Electrical

A competent contractor would have saved this man considerable money

An electrical contractor was called in to explain what was wrong with Mr. Blank's electric wiring. The insurance inspectors had told him he must have a large part of it removed.

It appeared that Mr. Blank, wishing some additional outlets for a toaster, table lamp, and flat-iron had asked the electrician of a friend's factory to do the work. The work was done—the first cost was very little, too—but the electrician either was ignorant or "took a chance" on violating the rules of the insurance underwriters—rules established for your protection.

As a result the first cost of the work was a total loss. The wiring had to be entirely removed and installed correctly and safely.

How much better it would have been to employ a recognized and competent electrical contractor in the first place! Work correctly done is worth its cost. Wiring incorrectly installed is worse than worthless—it is dangerous. Why take chances?

Capital Electric Co.	1525 14th St.,	Franklin 4582
F. L. Clarke	1242 Wisconsin Ave.,	West 2419
Davis Electric Co.	1009 H St.,	Franklin 5040
Howard P. Foley Co.	806 12th St.,	Main 1135
E. C. Gramm	1408 Eye St.,	Franklin 5016
Home Electric Shop	2203 14th St.,	North 4226
	(J. D. Campbell, Mgr.)	
Arthur Lowe	3438 14th St. N. W.	Col. 9610
Modern Electric Shop	1411 U St.,	North 2153
Geo. G. Rabbitt	805 9th St.,	Main 280
	(Successor to John R. Galloway)	
H. I. Scharr Elec. Co.	711 13th St.,	Main 1286
J. E. Taylor & Co.	1324 Eye St.,	Main 7103

"Buy Your Electrical Goods at an Electrical Store"